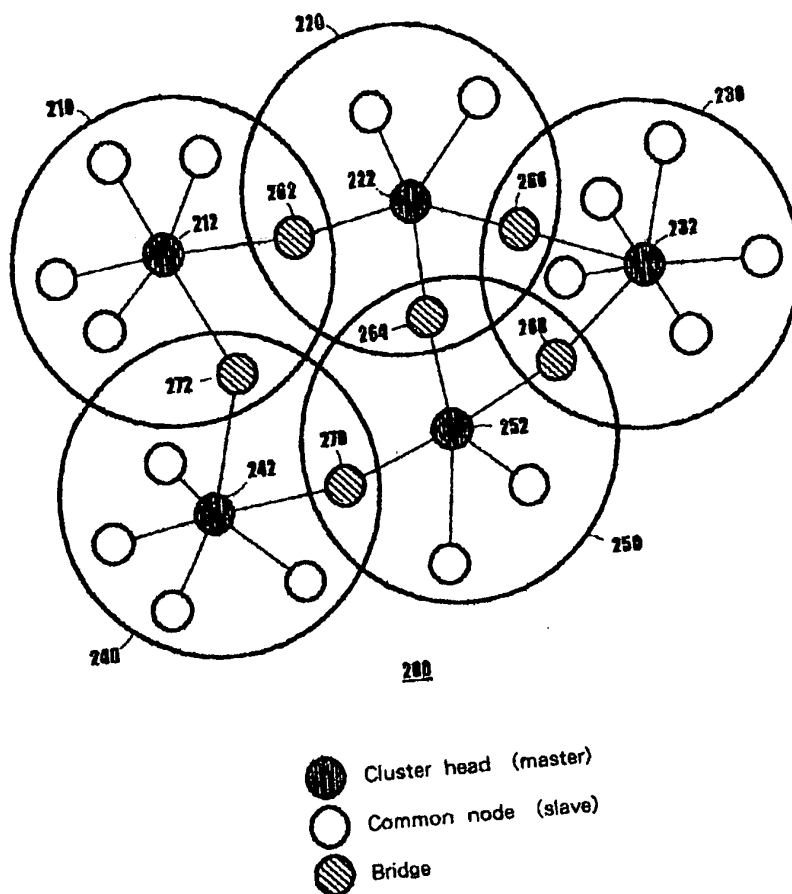


Network components

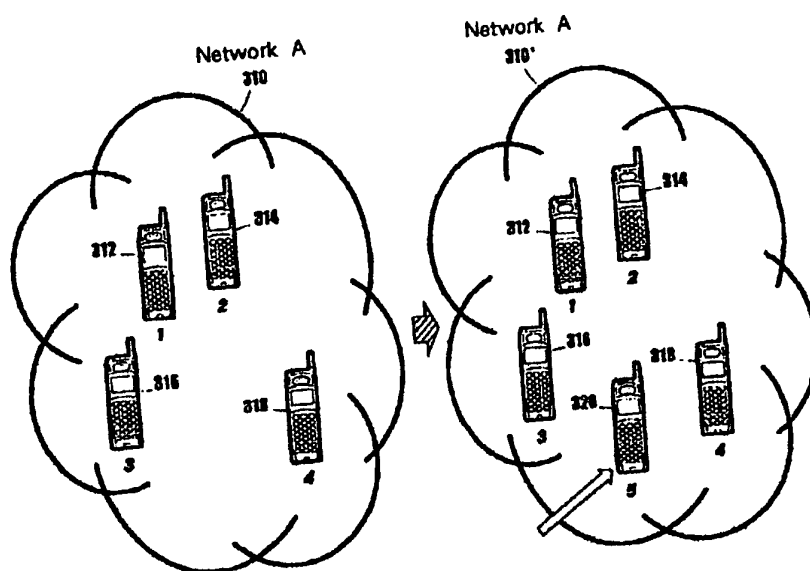
Fig. 1

09706660-110600



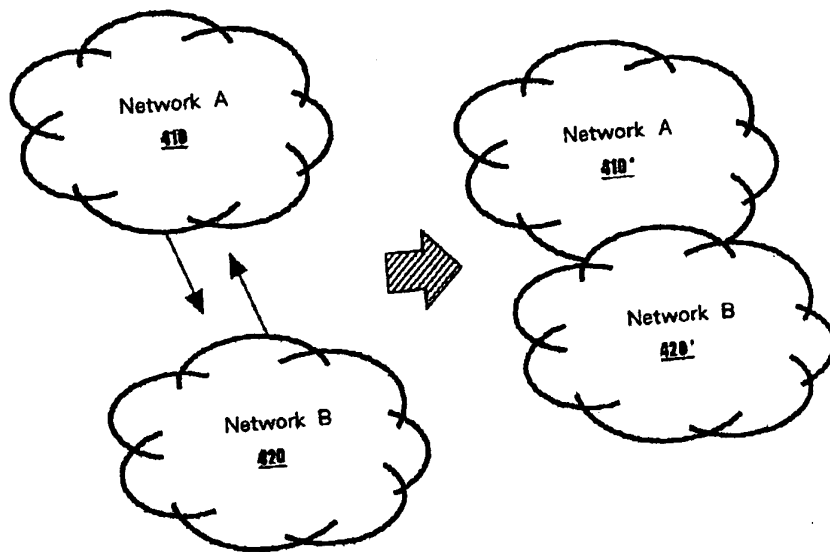
Ad hoc network configuration

Fig. 2



Case where a new node is acquired

Fig. 3

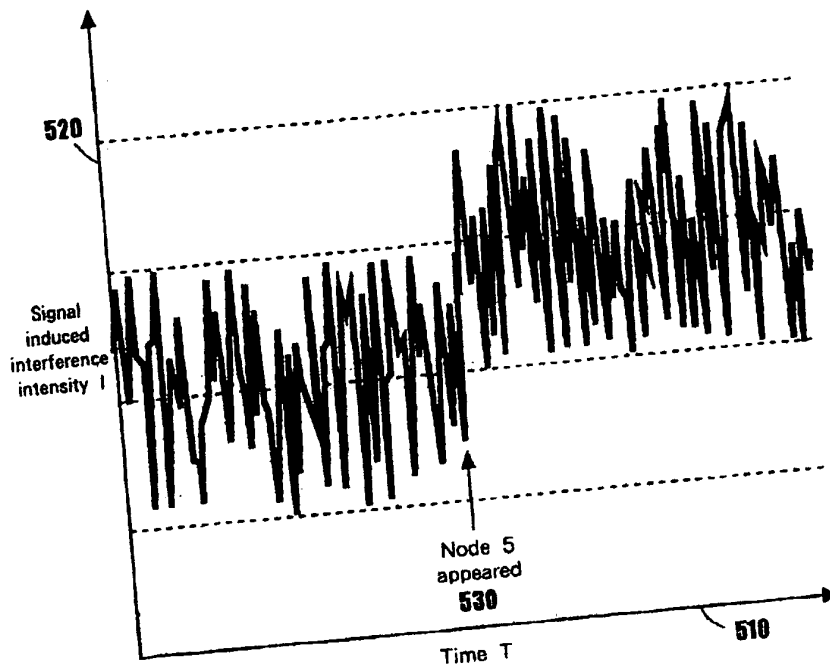


Case where two networks are approaching

Fig. 4

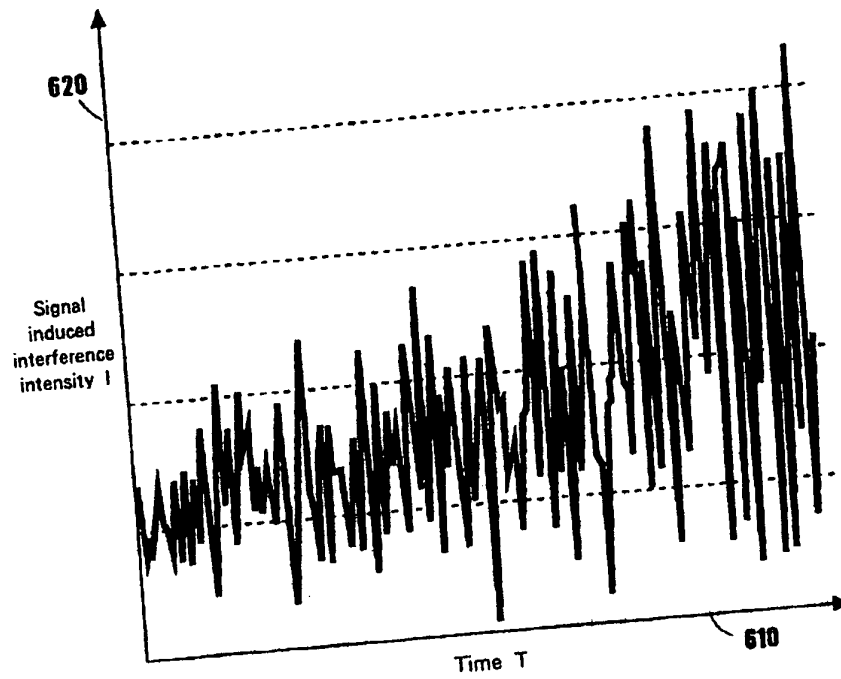
009077 09990260

00907T 09990600



Signal induced
interference intensity
(new node is acquired)

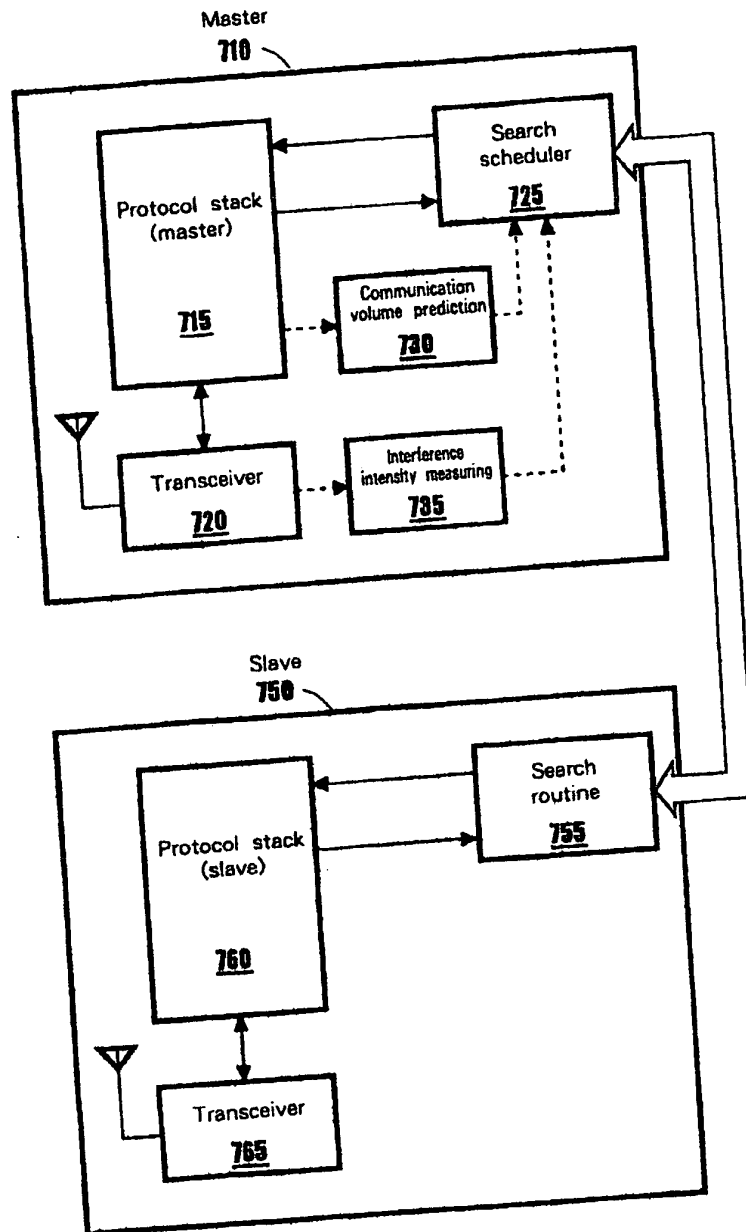
Fig. 5



Signal induced
interference intensity
(multiple networks are approaching)

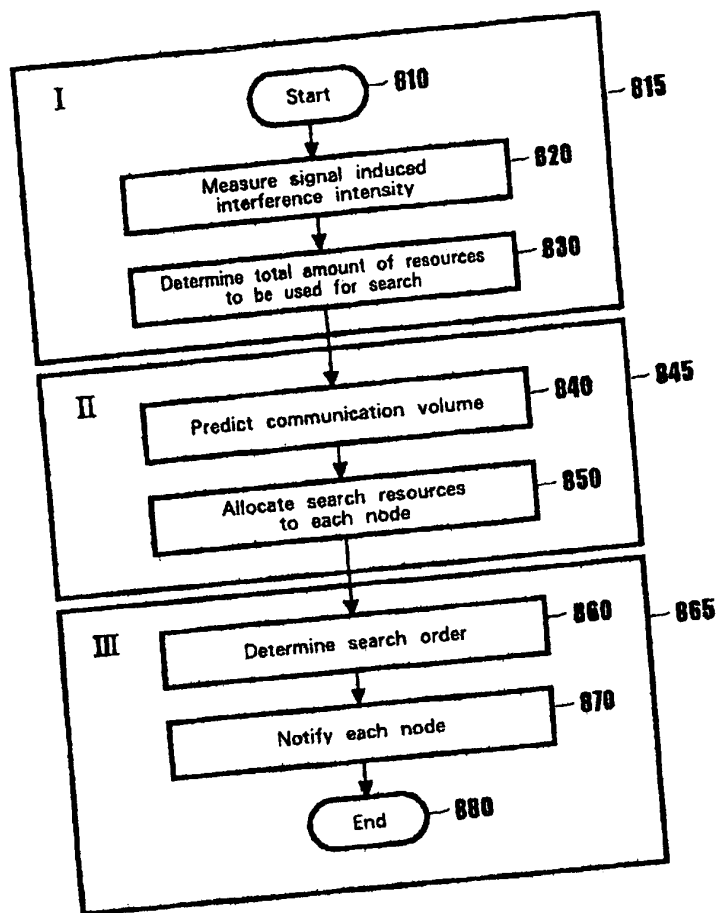
Fig. 6

09706660.110600



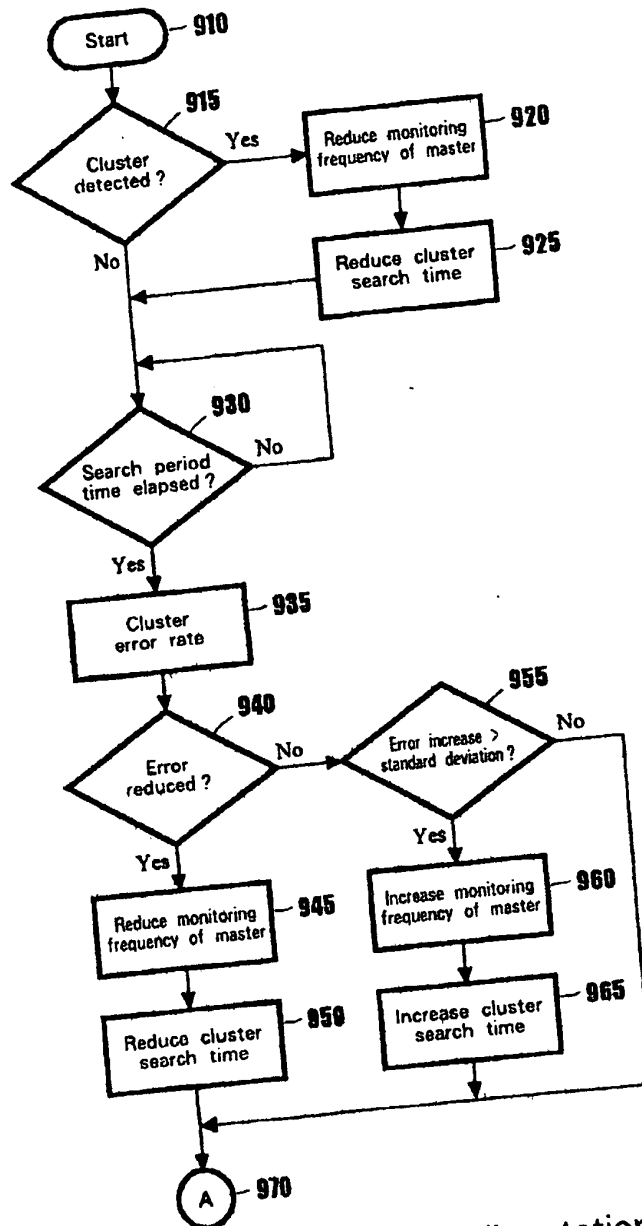
Arrangement of network node

Fig. 7



Operation of search scheduler

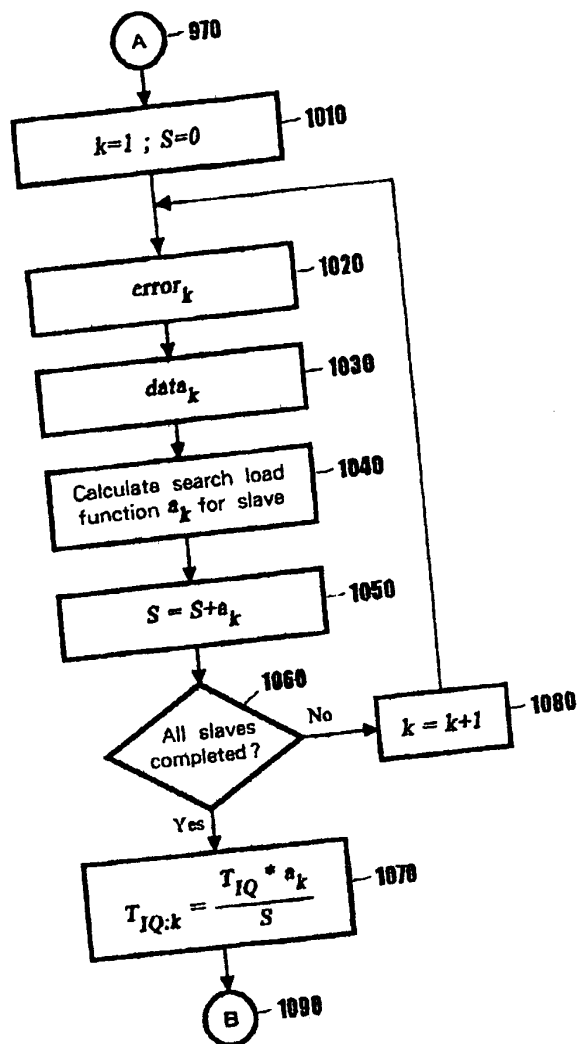
Fig. 8



Determination of radio station
search times for entire cluster

Fig. 9

00907T 09990460

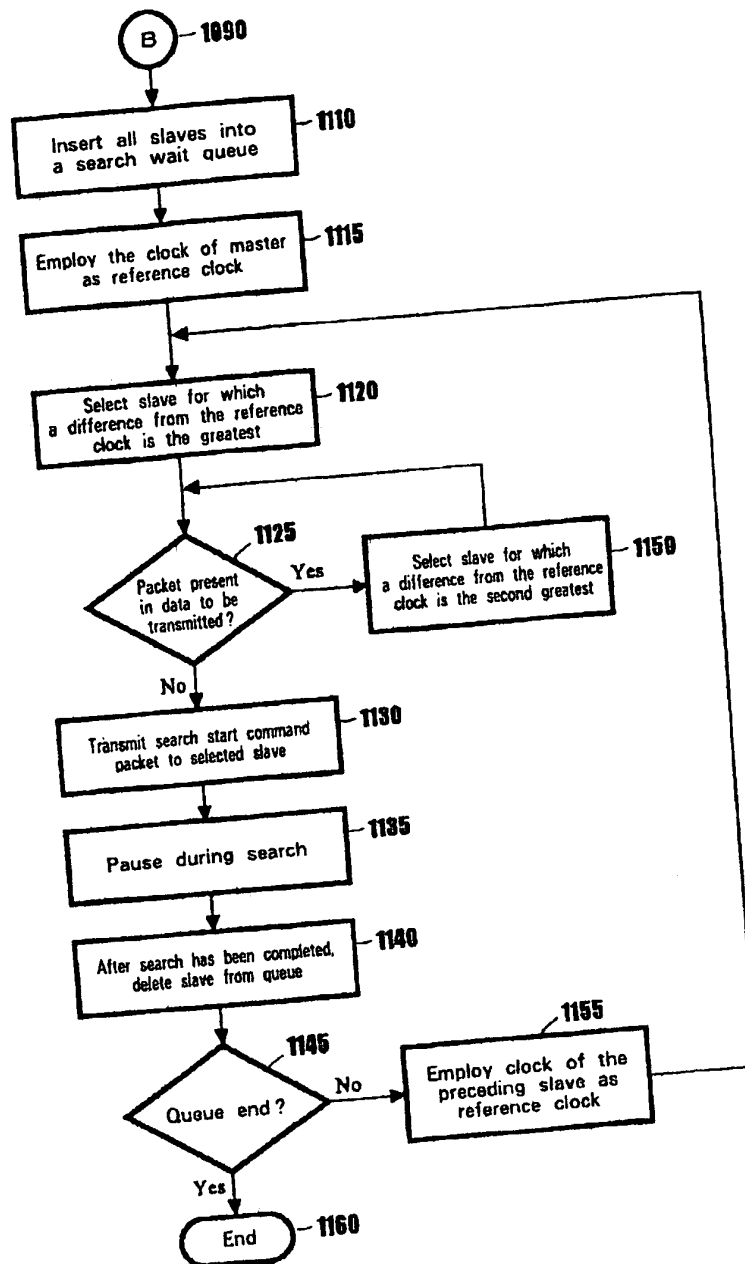


$error_k$: Error rate for slave
 $data_k$: Predicted data rate of slave.
 a_k/S : Search allocation ratio for slave.
 T_{IQ} : Search time for entire cluster during one period
 $T_{IQ:k}$: Search time for slave. during one period

Allocation of search time for each slave

Fig. 10

0906560-110600



Determination of search order for slaves

Fig. 11